

In the Claims

Please amend claims 1-15 as follows:

1. (Previously presented) A resin piston for a master cylinder comprising: a through-hole through which a stopper pin being a component of a valve mechanism of said master cylinder is inserted, a concavity in which said valve mechanism is fixed by being inserted therein, and a communicating hole communicating with said through-hole from said concavity, said resin piston for a master cylinder being molded by injection of a resin material; and

a burr generated by a flow of said resin material into a gap between a combined molding die and a core in a process of molding of said resin piston by injection molding, said burr projecting out from said communicating hole into the through-hole.

2. (Previously presented) The resin piston for a master cylinder of claim 1, wherein a groove is provided in a portion of an inner wall surface of said through-hole, the groove facing said communicating hole, the groove being in the shape of a flat surface oriented in a direction substantially perpendicular to the longitudinal direction in which said stopper pin travels in operation of said master cylinder.

3. (Original) The resin piston for a master cylinder as in claim 2, wherein a width of said groove is narrower than that of said through-hole and wider than a diameter of said stopper pin.

4. (Previously presented) The resin piston for a master cylinder of claim 1, wherein said through-hole includes a projecting part for preventing said stopper pin from being touched to said resin piston near said communicating hole.

5. (Cancelled)

6. (Cancelled)

7-9. (Cancelled)

10. (Currently amended) A [The] resin piston for a master cylinder [of claim 5] comprising:
a through-hole through which a stopper pin being a component of a valve mechanism of said master cylinder is inserted, a concavity in which said valve mechanism is fixed by being inserted therein, and a communicating hole communicating with said through-hole from said concavity, said resin piston for a master cylinder being molded by injection of a resin material;
and
a burr generated by a flow of said resin material into a gap between a combined molding die and a core in a process of molding of said resin piston by injection molding, said burr projecting out from said communicating hole into said through-hole,
wherein said through-hole is molded with a core for through-hole molding; said concavity and said communicating hole are molded with a core for molding a concavity; and a groove is provided in a portion of an inner wall surface of said through-hole, the groove facing said communicating hole, the groove being in the shape of a flat surface oriented in a direction substantially perpendicular to the longitudinal direction in which said stopper pin travels in operation of said master cylinder; and
a portion of said resin piston where said through-hole communicates with said communicating hole is molded in a manner such that an end of said core for molding said concavity is impacted in an impact hole formed in said core for through-hole molding to produce said burr.

11. (Previously presented) A master cylinder equipped with a resin piston for said master cylinder, said resin piston for a master cylinder comprising:

a through-hole through which a stopper pin being a component of a valve mechanism of said master cylinder is inserted, a concavity in which said valve mechanism is fixed by being inserted therein, and a communicating hole communicating with said through-hole from said concavity, said resin piston for a master cylinder being molded by injection of a resin material, a burr generated by a flow of said resin material into a gap between a combined molding die and a core in a process of molding of said resin piston for a master cylinder by injection molding, said burr projecting out from said communicating hole into the through-hole.

12. (Cancelled)

13. (Currently amended) A [The] master cylinder [of claim 11] equipped with a resin piston for said master cylinder, said resin piston for a master cylinder comprising:

a through-hole through which a stopper pin being a component of a valve mechanism of said master cylinder is inserted, a concavity in which said valve mechanism is fixed by being inserted therein, and a communicating hole communicating with said through-hole from said concavity, said resin piston for a master cylinder being molded by injection of a resin material;

a burr generated by a flow of said resin material into a gap between a combined molding die and a core in a process of molding of said resin piston for a master cylinder by injection molding, said burr projecting out from said communicating hole into the through-hole, wherein said through-hole is molded with a core for through-hole molding; said concavity and said communicating hole are molded with a core for molding a concavity; and

a groove is provided in a portion of an inner wall surface of said through-hole, the groove facing said communicating hole, the groove being in the shape of a flat surface oriented in a direction substantially perpendicular to the longitudinal direction in which said stopper pin travels in operation of said master cylinder.

14. (Previously presented) A die for molding a resin piston for a master cylinder, said resin piston for a master cylinder comprising:

a through-hole through which a stopper pin being a component of a valve mechanism of said master cylinder is inserted, a concavity in which said valve mechanism is fixed by being inserted therein, and a communicating hole communicating with said through-hole from said concavity, said resin piston for a master cylinder being molded by injection of a resin material, said die comprising a core for molding said through-hole and a core for molding said concavity and said communicating hole, wherein said die is so constructed such that a portion of said resin piston where said through-hole communicates with said communicating hole is molded in a manner such that an end of said core for molding said concavity is impacted in an impact hole formed in said core for through-hole molding to produce a burr projecting out from the communicating hole into the through-hole.

15. (Previously presented) A method for manufacturing a resin piston for a master cylinder, comprising the steps of:

providing a through-hole through which a stopper pin being a component of a valve mechanism of a master cylinder is inserted;

providing a concavity in which said valve mechanism is fixed by being inserted therein, providing a communicating hole communicating with said through-hole from said concavity, said resin piston for a master cylinder being molded by injection of a resin material;

molding said through-hole with a core for through-hole molding;

molding said concavity and said communicating hole with a core for molding a concavity; and

molding a portion of said resin piston where said through-hole communicates with said communicating hole in a manner such that an end of said core for molding said concavity is impacted in an impact hole formed in said core for through-hole molding to produce a burr projecting out from the communicating hole into the through-hole.

